

ABOUT THE INSTITUTE

Coimbatore Institute of Technology was founded in the year 1956 by V. Rangaswamy Naidu Educational Trust (VRET) with the noble aim of disseminating knowledge in the fields of science, engineering and technology to the student community. CIT is one of the most reputed and prestigious educational Institution in India. The institute backed by world class research and development, attained autonomous status in 1987 and its accredited by National Board of Accreditation (NBA). The Institute strives to inculcate a sound knowledge in engineering along with realized social responsibilities to enable its students to combat the current and impending challenges faced by our country and to extend their expertise to the global arena.

ABOUT THE DEPARTMENT

Established in the year 1956, the Department of Electrical and Electronics Engineering offers undergraduate programme, two post graduate programmes and research programmes. The department has a team of well qualified faculty having vast experience in various engineering and technology with specialization in the areas like power electronics, power systems, control systems and embedded systems. The department has undertaken and successfully completed research projects, funded by various funding agencies like AICTE, UGC, CSIR and DST.

ELIGIBILITY AND SELECTION

This programme is open to the faculty members of various departments of AICTE approved Engineering, Polytechnic colleges and from industry/ research organizations. The total intake is 30 and selection will be based on first come first serve basis.

OBJECTIVES OF THE FDP

Smart grid (SG) is an adaptable and responsive electricity grid that supports changes and the needs of consumers now and in the future. SG provides solution to lower losses in transmission and distribution. SG technologies can anticipate and monitor demand minimizing the overcapacity and making the grid more *reliable*. SG takes care of outages also. The power outages drag down the economy. SG provides technologies to anticipate and prevent problems before they happen. Whenever unplanned outages occur, smart grid outage management systems can reroute power to minimize the outage, analyze needed repairs and dispatch crews more effectively to get the job done faster and makes the grid more *efficient*.

Global warming is also taken into consideration due to the increased use of gas, liquid and solid fuel for generation of electricity. Major CO₂ emissions come from power generation. SG provide solution to this problem by using more of renewable energy. By optimized renewable such as wind, solar and biomass in the generation mix reduces the dependence on the volatility of imported fuels. This usage of *green energy* provides energy independence and security.

The FDP aims at providing a forum for members of the research and academic community to interact on cutting-edge technologies.

TOPICS

- Distribution and Automation in SG
- Power Electronics in SG
- Signal Processing in SG
- Soft Computing Techniques in SG
- Non linear Dynamics and Control in SG
- Wireless Communication in SG
- Sensor Networks in SG

REGISTRATION FORM

TEQIP – II sponsored
Faculty Development Programme
On
SMART GRIDS
21st – 27th October, 2013

Name :

Designation :

Department :

Community :

Gender :

Name of the Institution:

Address:

Email :

Mobile :

Details of Registration

Amount :

DD No. & Date :

Bank :

Date

Signature

DECLARATION

I _____ agree to abide by the rules and regulations governing the training programme. If selected, I shall attend the programme for the entire duration. I undertake to inform the coordinator well in advance in case I am unable to attend the course. The information provided herewith is true to the best of my knowledge.

Place:

Date:

Signature of the Applicant

SPONSORSHIP

This is to certify that _____

_____ is regular employee of our Institution and is hereby sponsored for the one week **TEQIP (Phase II) sponsored Faculty Development Programme on "Smart Grids"** at Coimbatore Institute of Technology, Coimbatore from 21st to 27th October 2013. He/she will be permitted to attend the course for the entire duration if selected.

Place:

Date: Signature with Seal

Head of the Institution

REGISTRATION

The participants shall pay the Registration Fee through a **Demand Draft** drawn in favor of "**The Principal, Coimbatore Institute of Technology**", payable at Coimbatore, for Rs.1000 (for faculty members/ research scholars from AICTE approved institutions which is non-refundable on completion of the programme) and Rs.2000 (for working professionals from industries/ research Organizations) should reach the address mentioned below not later than **09.10.2013**. The selected participants will be intimated through email by **14.10.2013**.

ORGANIZING COMMITTEE

Chief patron

Dr.S.R.K.PRASAD

Correspondent, CIT Institutions

Patron

Dr.R.Prabhakar

Professor Emeritus &
Secretary,
CIT Institutions

President

Dr.V.Selladurai

Principal, CIT

Chair Person

Dr.S.Vasantharathna

Head of the Department, EEE, CIT

Coordinators

Dr.S.Suja

Assistant Professor (SG)

Ms.K.Vanithamani

Associate Professor

Address for Registration
and Correspondence:

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Ms.K.Vanithamani

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**Faculty in the Department of
Electrical and Electronics
Engineering,**

**Coimbatore Institute of
Technology,**

Coimbatore-641014.

**TEQIP – II sponsored
Faculty Development
Programme on**



SMART GRIDS

21st – 27th October, 2013

Coordinators

Dr.S.SUJA

Ms.K.VANITHAMANI



Organized

**By
DEPARTMENT OF ELECTRICAL
AND ELECTRONICS ENGINEERING
COIMBATORE INSTITUTE OF
TECHNOLOGY**

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